

High-Power Wide Range DC Power Supply

WPS-S Series



Features

- The speed of the rising and falling edges of the output is adjustable
- Built in function generator
- Master slave mode supports parallel connection
- Support OVP, OCP, OPP, OTP protection, support SENSE terminal reverse connection protection
- Equipped with discharge circuit (Uout<10V within 1 second)
- List sequence programming function
- Power absorption function
- Output end backpressure protection (optional)
- Built in remote analog control interface
- Support for SCPI instruction language
- High brightness color LCD display screen
- SENSE remote voltage compensation function

Standard SENSE

Standard RS-232 USB RS-485 LAN (Any two)

Optional Analog control

1.5KW Series

(Weight:10.8kg Size:482*455*88mm)

Model	Voltage	Current	Power	Ripple
WPS-1500S-35-100	0-35V	0-100A	1500W	10mVrms
WPS-1500S-40-60	0-40V	0-60A	1500W	10mVrms
WPS-1500S-60-75	0-60V	0-75A	1500W	10mVrms
WPS-1500S-80-60	0-80V	0-60A	1500W	10mVrms
WPS-1500S-100-50	0-100V	0-50A	1500W	20mVrms
WPS-1500S-200-25	0-200V	0-25A	1500W	20mVrms
WPS-1500S-360-15	0-360V	0-15A	1500W	40mVrms
WPS-1500S-500-10	0-500V	0-10A	1500W	50mVrms
WPS-1500S-750-7	0-750V	0-7A	1500W	50mVrms
WPS-1500S-1000-5	0-1000V	0-5A	1500W	100mVrms

3KW Series

(Weight:13.5kg Size:482*455*88mm)

Model	Voltage	Current	Power	Ripple
WPS-3000S-35-200	0-35V	0-200A	3000W	10mVrms
WPS-3000S-40-120	0-40V	0-120A	3000W	10mVrms
WPS-3000S-60-150	0-60V	0-150A	3000W	10mVrms
WPS-3000S-80-120	0-80V	0-120A	3000W	10mVrms
WPS-3000S-100-100	0-100V	0-100A	3000W	20mVrms
WPS-3000S-200-50	0-200V	0-50A	3000W	20mVrms
WPS-3000S-360-30	0-360V	0-30A	3000W	40mVrms
WPS-3000S-500-20	0-500V	0-20A	3000W	50mVrms
WPS-3000S-750-14	0-750V	0-14A	3000W	50mVrms
WPS-3000S-1000-10	0-1000V	0-10A	3000W	100mVrms

High-Power Wide Range DC Power Supply

WPS-S Series

Model		WPS-S Series
Rated input		Single phase 220VAC±10% 45-66Hz
DC output	Voltage	0V~rated value
	Current	0A~rated value
	Power	0W~rated value
	Efficiency	≤92%
Setting value accuracy	Voltage	≤ ± (0.05%+0.04% FS)
	Current	≤ ± (0.15%+0.1% FS)
	Power	≤ ± 0.8% FS
Readback value accuracy	Voltage	≤ ± (0.05%+0.04% FS)
	Current	≤ ± (0.15%+0.1% FS)
	Power	≤ ± 0.8% FS
Source effect	Voltage	≤ 0.02% FS (± 10% Δ UAC input)
	Current	≤ 0.05% FS (± 10% Δ UAC input)
Load effect	Voltage	≤ 0.05% FS (0-100% load adjustment rate)
	Current	0.15% FS (load adjustment rate of 0-100% Δ UDC)
	Specifications	Built in 15-pin D-Sub female plug, electrically isolated
Analog interface	Signal range	0~5V or 0~10V (switchable)
	U/I/P accuracy	0~10V: ≤ 0.2% FS 0~5V: ≤ 0.4% FS
Dynamic response time(10% -90% load)	Load adjustment time	≤ 2ms (load adjusted from 10 to 100%)
	Output voltage rise time	30ms
Functional protection		OTP, OVP, OCP, OPP, PF
Interface		RS232/RS485/USB/LAN and other communication interfaces
Parallel operation		Realizable, can connect up to 10 products (via shared bus) through real master-slave operation
Operating environment		Working temperature: 0-50 °C, humidity:<80%, storage temperature: -20~70 °C, altitude:<2000m
Note		The power cord and output cables are optional

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WPS-S Series



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- Built in function generator
- Master slave mode supports parallel connection
- Support OVP, OCP, OPP, OTP protection, support SENSE terminal reverse connection protection
- SENSE remote voltage compensation function
- Equipped with discharge circuit (U_{out}<10V within 1 second)
- List sequence programming function
- Power absorption function
- Output end backpressure protection (optional)
- Built in remote analog control interface
- Support for SCPI instruction language
- High brightness color LCD display screen

Standard SENSE Standard RS-232 USB RS-485 LAN (Any two) Optional Analog control

5-6KW Series

(Weight:25kg Size:482*660*132mm)

Model	Voltage	Current	Power	Ripple
WPS-5000S-80-170	0-80V	0-170A	5000W	15mVrms
WPS-6000S-300-75	0-300V	0-75A	6000W	40mVrms
WPS-6000S-500-40	0-500V	0-40A	6000W	50mVrms
WPS-6000S-800-25	0-800V	0-25A	6000W	75mVrms
WPS-6000S-1000-15	0-1000V	0-15A	6000W	100mVrms

10-12KW Series

(Weight:35kg Size:482*660*132mm)

Model	Voltage	Current	Power	Ripple
WPS-10000S-80-340	0-80V	0-340A	10000W	15mVrms
WPS-12000S-300-150	0-300V	0-150A	12000W	40mVrms
WPS-12000S-500-80	0-500V	0-80A	12000W	50mVrms
WPS-12000S-800-50	0-800V	0-50A	12000W	75mVrms
WPS-12000S-1000-30	0-1000V	0-30A	12000W	100mVrms
WPS-12000S-1500-25	0-1500V	0-25A	12000W	150mVrms

15-18KW Series

(Weight:45kg Size:482*660*132mm)

Model	Voltage	Current	Power	Ripple
WPS-15000S-80-510	0-80V	0-510A	15000W	15mVrms
WPS-18000S-300-225	0-300V	0-225A	18000W	40mVrms
WPS-18000S-500-120	0-500V	0-120A	18000W	50mVrms
WPS-18000S-800-75	0-800V	0-75A	18000W	75mVrms
WPS-18000S-1000-45	0-1000V	0-45A	18000W	100mVrms
WPS-18000S-1500-40	0-1500V	0-40A	18000W	150mVrms
WPS-18000S-2250-25	0-2250V	0-25A	18000W	225mVrms

High-Power Wide Range DC Power Supply

WPS-S Series

Model		WPS-S Series
Rated input		Three phase 380VAC \pm 10% 47-63Hz
DC output	Voltage	0V~rated value
	Current	0A~rated value
	Power	0W~rated value
	Efficiency	\leq 92%
Setting value accuracy	Voltage	$\leq \pm (0.05\%+0.04\% \text{ FS})$
	Current	$\leq \pm (0.15\%+0.1\% \text{ FS})$
	Power	$\leq \pm 0.8\% \text{ FS}$
Readback value accuracy	Voltage	$\leq \pm (0.05\%+0.04\% \text{ FS})$
	Current	$\leq \pm (0.15\%+0.1\% \text{ FS})$
	Power	$\leq \pm 0.8\% \text{ FS}$
Source effect	Voltage	$\leq 0.02\% \text{ FS} (\pm 10\% \Delta \text{ UAC input})$
	Current	$\leq 0.05\% \text{ FS} (\pm 10\% \Delta \text{ UAC input})$
Load effect	Voltage	$\leq 0.05\% \text{ FS} (0-100\% \text{ load adjustment rate})$
	Current	0.15% FS (load adjustment rate of 0-100% Δ UDC)
	Specifications	Built in 15-pin D-Sub female plug, electrically isolated
Analog interface	Signal range	0~5V or 0~10V (switchable)
	U/I/P accuracy	0~10V: $\leq 0.2\% \text{ FS}$ 0~5V: $\leq 0.4\% \text{ FS}$
Dynamic response time(10% -90% load)	Load adjustment time	$\leq 2\text{ms}$ (load adjusted from 10 to 100%)
	Output voltage rise time	Maximum 50ms (10~90% full scale)
Functional protection		OTP, OVP, OCP, OPP, PF
Interface		RS232/RS485/USB/LAN and other communication interfaces
Parallel operation		Realizable, can connect up to 10 products (via shared bus) through real master-slave operation
Operating environment		Working temperature: 0-50 °C, humidity:<80%, storage temperature: -20~70 °C, altitude:<2000m
Note		The power cord and output cables are optional